



**INDIAN INSTITUTE OF TECHNOLOGY PATNA**  
**BIHTA PATNA-801106**  
**RESEARCH & DEVELOPMENT UNIT**

**ADVT NO: R&D/719/IPAN/341**

**DATED: 31.01.2024**

**PROJECT NUMBER: R&D/SP/EE/IPAN/2022-23/719**

Applications are invited through the online form only for the following assignments in a purely time-bound research project undertaken in this institute. **Interviews will be conducted online.**

**Date of Online Interview: 17<sup>th</sup> February 2024 at 11AM. Last date of filling application form: 14<sup>th</sup> February 2024.**

Interested and eligible persons may apply by filling up the form given below. The complete form should be sent to Dr. Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Email: [sumanta@iitp.ac.in](mailto:sumanta@iitp.ac.in)

**The applicant must qualify any exams (but not Before 2020) like GATE/UGC-NET/National level examinations conducted by central Govt. department and agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc.**

Name of The Research Project		Integrated Photonic Artificial Neural Networks (INPATIENT)			
Project Number as per IIT Patna Record: 719					
Name of the temporary assignment	Number of Posts	Duration of the Post	Name of the sponsoring Agency	Consolidated Fellowship	Contact Information
Junior Research Fellow	One (01)	Initially for 1 year, may be extended for maximum 2.5 years or till the end of the project, whichever is earlier	Department of Science and Technology, International Division, under India Italy Call for Significant Research Scheme	INR. 31,000/- + HRA for 1 <sup>st</sup> and 2 <sup>nd</sup> Year and INR. 35,000 + HRA for 3 <sup>rd</sup> year  Note: Revised Emoluments may be provide subject to the approval	Dr. Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Email: <a href="mailto:sumanta@iitp.ac.in">sumanta@iitp.ac.in</a> Tel.: +91-6115-233096
<b>Qualifications &amp; Experience</b>	<p>A candidate must satisfy one of the two following criteria:</p> <ol style="list-style-type: none"> <li>BE/ BTech/ MSc equivalent degree with valid GATE score (but not before 2020) above the prescribed cut off level / NET qualification. The candidate must have CPI of 7.5 or 70% of marks. The requirement of GATE score is waived for candidates with Bachelor's Degree in Engineering from the Centrally Funded Technical Institutes (CFTIs) with CGPA &gt; 8.0 and above (out of 10) and other IITs.</li> <li>ME/ MTech/equivalent degree with GATE qualification (but not before 2020) and with a minimum CPI of 6.5 or 60% of marks. Preference shall be given to the candidates having experience in the field of Communication Engg., Signal processing. Candidates <b>knowing the design, simulation, and characterization of integrated photonic devices/systems</b>, optical communication, Machine learning, and Deep learning will be given preference. Additionally, it will be preferred if the candidate is familiar working with COMSOL, and Lumerical software.</li> </ol>				

**General Terms and Conditions:**

- The selected candidate will be allowed to apply for PhD program of the EE department at IIT Patna following proper procedure.
- The shortlisted candidates will be informed accordingly to appear for the online interview. The incomplete application will not be considered.
- **The candidate should be ready to travel abroad for research works.**
- **Online Interview Link: Intimated via email to the shortlisted candidates**

**Deputy Registrar, R&D Unit**



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**FORMAT OF APPLICATION FOR RECRUITMENT OF JRF**

<b>Name &amp; Address</b>  Including email id and Phone no. (for Correspondence)		<b>Category</b>  (GEN/OBC/SC/ST/ PD)	<b>DOB</b>  dd/ mm/yy	<b>Professional Exam. (GATE/CSIR- NET, etc with year of qualification) &amp; Validity</b>
<b>NAME IN CAPITAL</b> Address:    Phone: Email:				
<b>Educational Qualification</b>				
<b>Institute/ Board</b>	<b>Exam Passed</b>	<b>Year of Passing</b>	<b>% of Marks/CPI</b>	
	10 <sup>th</sup> Class			
	12 <sup>th</sup> Class			
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent			
	Masters (M.Sc/M.Tech/M.E/MCA/M A) or equivalent			

<b>Qualifying degree</b>	<b>Degree/ major/Specialization</b>
(B.Sc/B.Tech/B.E.)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Date:

Place: